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1. Document ID: DE 69910008 E, WO 9954817 A2, AU 9937515 A, US 6157927 A, EP 1078316 A2, JP 2002512400 W, EP 1078316 B1

L6: Entry 1 of 1

File: DWPI

Sep 4, 2003

DERWENT-ACC-NO: 2000-136788

DERWENT-WEEK: 200366

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TITLE: Transaction processing system interconnection for use in accessing resource on remote server between different transaction processing environments

INVENTOR: KAYSER, S L; RAJCAN, S L ; SCHAEFER, D E

PATENT-ASSIGNEE: UNISYS CORP (BURS)

PRIORITY-DATA: 1998US-0064160 (April 22, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>DE 69910008 E</u>	September 4, 2003		000	G06F009/46
<u>WO 9954817 A2</u>	October 28, 1999	E	102	G06F009/46
<u>AU 9937515 A</u>	November 8, 1999		000	
<u>US 6157927 A</u>	December 5, 2000		000	G06F017/30
<u>EP 1078316 A2</u>	February 28, 2001	E	000	G06F009/46
<u>JP 2002512400 W</u>	April 23, 2002		124	G06F009/46
<u>EP 1078316 B1</u>	July 30, 2003	E	000	G06F009/46

DESIGNATED-STATES: AU BR CA JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE DE FR GB DE FR GB

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
DE 69910008E	April 19, 1999	1999DE-0610008	
DE 69910008E	April 19, 1999	1999EP-0919899	
DE 69910008E	April 19, 1999	1999WO-US08583	
DE 69910008E		EP 1078316	Based on
DE 69910008E		WO 9954817	Based on
WO 9954817A2	April 19, 1999	1999WO-US08583	
AU 9937515A	April 19, 1999	1999AU-0037515	
AU 9937515A		WO 9954817	Based on
US 6157927A	April 22, 1998	1998US-0064160	

EP 1078316A2	April 19, 1999	1999EP-0919899	
EP 1078316A2	April 19, 1999	1999WO-US08583	
EP 1078316A2		WO 9954817	Based on
JP2002512400W	April 19, 1999	1999WO-US08583	
JP2002512400W	April 19, 1999	2000JP-0545097	
JP2002512400W		WO 9954817	Based on
EP 1078316B1	April 19, 1999	1999EP-0919899	
EP 1078316B1	April 19, 1999	1999WO-US08583	
EP 1078316B1		WO 9954817	Based on

INT-CL (IPC) : G06F 9/46; G06F 17/30

ABSTRACTED-PUB-NO: US 6157927A

BASIC-ABSTRACT:

NOVELTY - A resource manager (64) translates the received XATMI service request and directives into service requests of a bidirectional two-phase communication protocol, after which service requests are issued to a protocol machine. The protocol machine coordinates the processing of the service requests with the processing of the corresponding events in the transaction processing environment of a transaction manager.

DETAILED DESCRIPTION - A connection manager includes the protocol machine that communicates with the requested resource on a remote server (60) in accordance with the bidirectional two-phase communication protocol. A resource manager has two interfaces for respectively receiving XATMI service request from a predetermined component in one transaction processing environment and the directives issued by the first transaction manager for global transaction.

INDEPENDENT CLAIMS are also included for the following:

- (a) a resource access method in different transaction processing environments;
- (b) and a recording medium which can be read in a computer.

USE - For use in accessing resource on remote server in transaction processing environment controlled by an XATMI-compliant transaction manager, by the component in transaction processing environment e.g. Microsoft Transaction Server MTS environment.

ADVANTAGE - Attains simple recovery of predetermined information need by the transaction manager and the protocol machine in a single log record, by providing centralized device for accessing the log record. Enables remote server to function as a local resource within MTS environment, to alleviate complexity of communication from distributed transaction controller and MTS component. Improves ability of overall transaction processing system to satisfy atomic, consistency, isolation and durability ACID properties.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of a transaction processing system interconnection.

Remote server 60

Resource manager 64

ABSTRACTED-PUB-NO: WO 9954817A

EQUIVALENT-ABSTRACTS:

NOVELTY - A resource manager (64) translates the received XATMI service request and directives into service requests of a bidirectional two-phase communication protocol, after which service requests are issued to a protocol machine. The protocol machine coordinates the processing of the service requests with the processing of the corresponding events in the transaction processing environment of a transaction manager.

DETAILED DESCRIPTION - A connection manager includes the protocol machine that communicates with the requested resource on a remote server (60) in accordance with the bidirectional two-phase communication protocol. A resource manager has two interfaces for respectively receiving XATMI service request from a predetermined component in one transaction processing environment and the directives issued by the first transaction manager for global transaction.

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Remote server 60

Resource manager 64

CHOSEN-DRAWING: Dwg. 2/9

DERWENT-CLASS: T01

EPI-CODES: T01-F02C2; T01-H07C3E; T01-H07P; T01-S03;

Full Title Citation Front Review Classification Date Reference Description Abstract/Summary Claims KWMC Drawn D:

Terms

Documents

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Display Format:

Previous Page Next Page Go to Doc#

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2/4/1

DIALOG(R)File 350:Derwent WPIX
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IM- *Image available*
AA- 2001-328242/200134|
XR- <XRPX> N2001-236182|
TI- Credit card transaction processing method involves transmitting
 encrypted transaction message to credit card transaction processing
 computer from merchant computer|
PA- NOVA CORP (NOVA-N)|
IV- BARNETT T; GALLOWAY J|
NC- 93|
NP- 4|
PN- WO 2001024087 A1 20010405 WO 2000US25669 A 20000920 200134 B|
PN- AU 200075915 A 20010430 AU 200075915 A 20000920 200142 E
PN- NO 200201366 A 20020502 WO 2000US25669 A 20000920 200238 E
PN- NO 20021366 A 20020319
PN- EP 1224593 A1 20020724 EP 2000965150 A 20000920 200256 E
PN- WO 2000US25669 A 20000920|
AN- <LOCAL> WO 2000US25669 A 20000920; AU 200075915 A 20000920; WO
 2000US25669 A 20000920; NO 20021366 A 20020319; EP 2000965150 A
 20000920; WO 2000US25669 A 20000920|
AN- <PR> US 1999404463 A 19990924|
FD- WO 2001024087 A1 EN 29 6
FD- National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR
 BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN
 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL
 PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
FD- Regional Designated States,Original: AT BE CH CY DE DK EA ES FI FR GB
 GH GM GR IE IT LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW
FD- AU 200075915 A EN Based on OPI patent WO 2001024087
FD- NO 200201366 A NO PCT Application WO 2000US25669
FD- EP 1224593 A1 EN PCT Application WO 2000US25669
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 SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW|
DS- <NATIONAL> AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC
 MW MZ NL OA PT SD SE SL SZ TZ UG ZW AL LI LT LV MK RO SI|
AB- <NV> WO A1
 NOVELTY - Transaction message sent by merchant computer (122) in ASCII
 form is translated into message format. Translated transaction message
 is encrypted and then transmitted to credit card transaction processing
 computer.|
AB- <BASIC> DESCRIPTION - INDEPENDENT CLAIMS are also included for the
 following:

1. Credit card transactions processing system;
2. Processing method of credit card transaction from merchant computer;
3. Method of transmitting credit card transaction to bank computer

USE - For credit card transaction processing through Internet.

ADVANTAGE - By using Internet for credit card transactions, cost is
 reduced when compared to using a leased line. Encrypts transaction
 message so that transaction secure over Internet and manages message

Ginger R. DeMille

traffic between merchant and transaction processor.

DESCRIPTION OF DRAWINGS - The figure shows the transaction processing system.

122 Merchant computer |

TT- CREDIT; CARD; TRANSACTION; PROCESS; METHOD; TRANSMIT; ENCRYPTION;
MESSAGE; COMPUTER; MERCHANT|;

DC- T01|

IC- <MAIN> G06F G06F-017/60|

MC- <EPI> T01-J05A|

FS- EPI||

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